

FIG.4



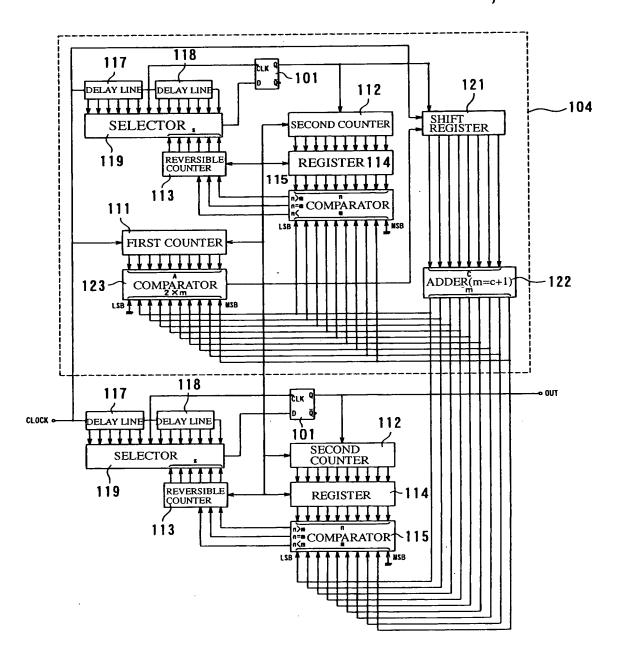


FIG.5

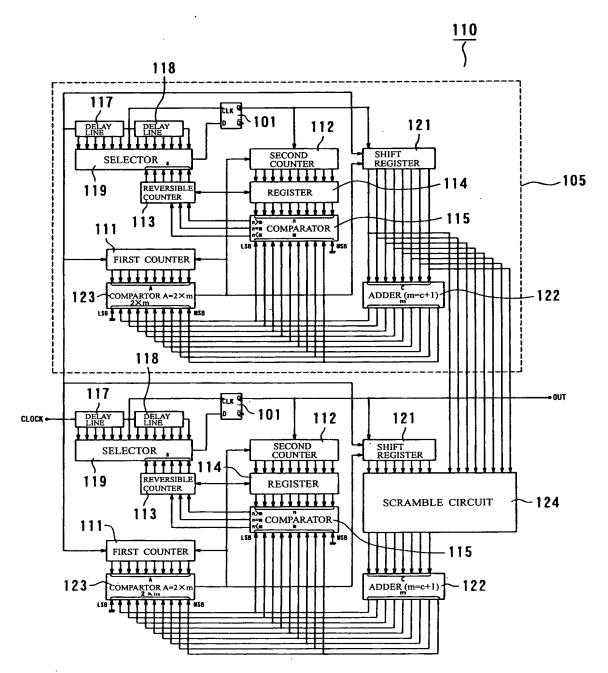


FIG.6

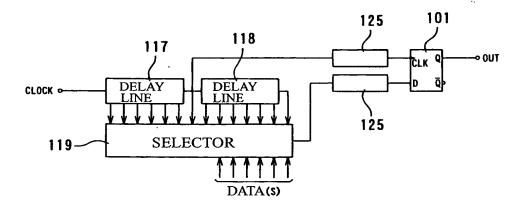


FIG.7

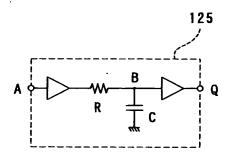


FIG.9

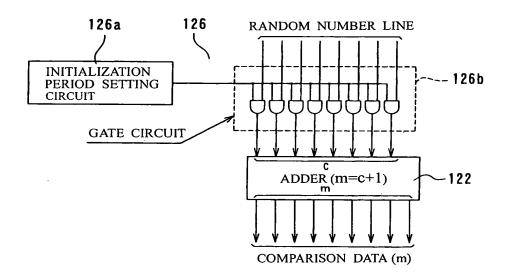


FIG.8(a)

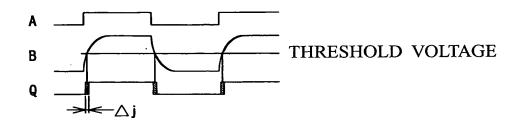


FIG.8(b)

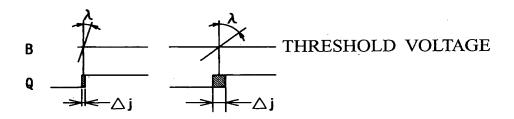


FIG.10

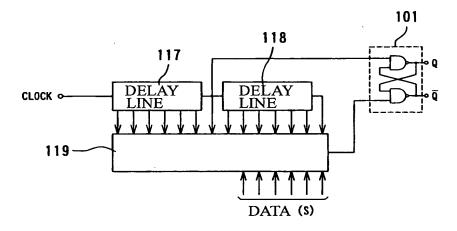


FIG.13

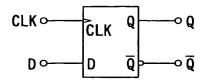
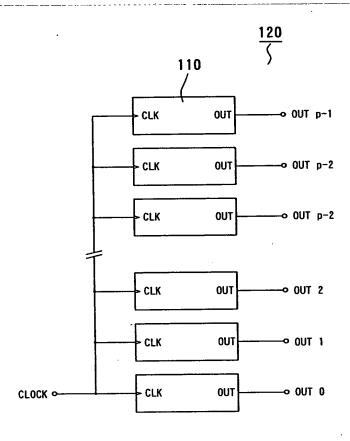


FIG.11



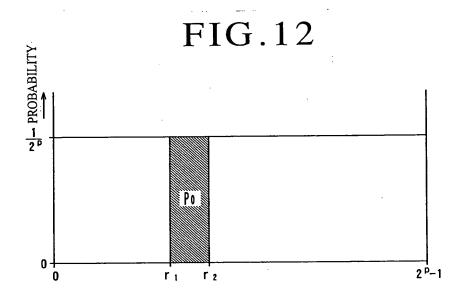


FIG.14(a)

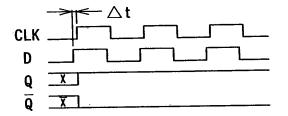


FIG.14(b)

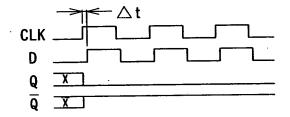


FIG.14(c)

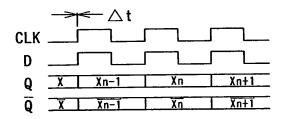


FIG.15

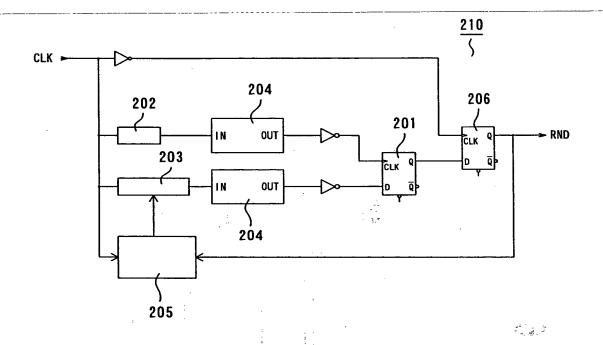


FIG.16

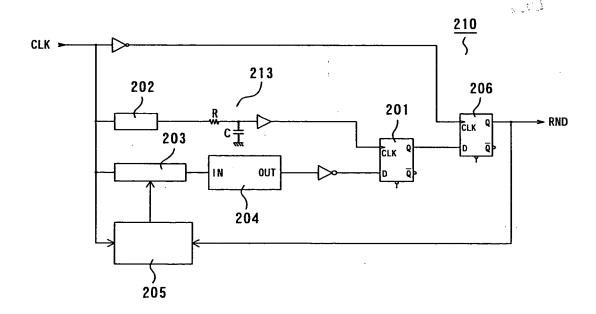


FIG.17

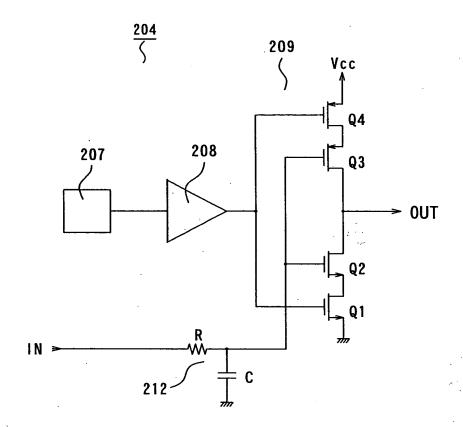


FIG.18

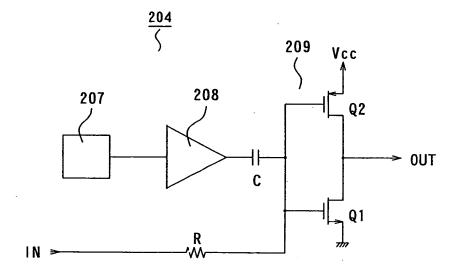


FIG.20

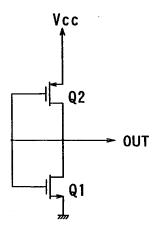


FIG.22

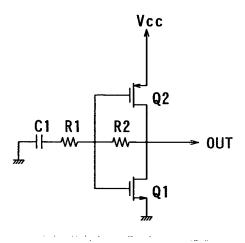


FIG.24

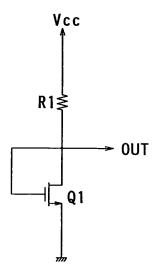


FIG.21

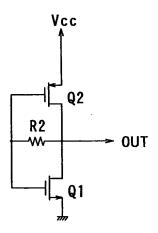


FIG.23

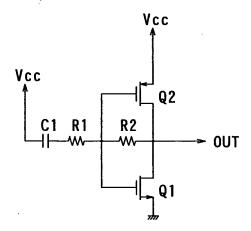


FIG.25

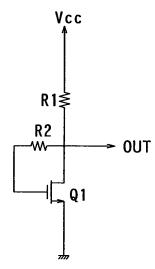


FIG.26

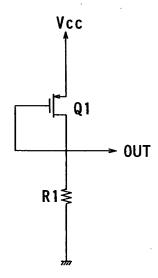


FIG.28

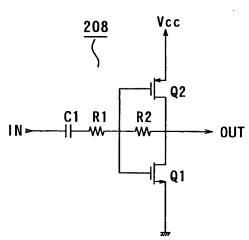


FIG.27

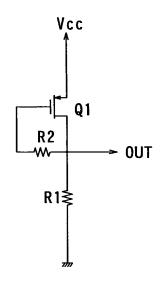


FIG.29

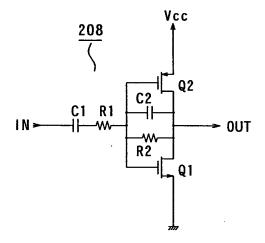


FIG.30

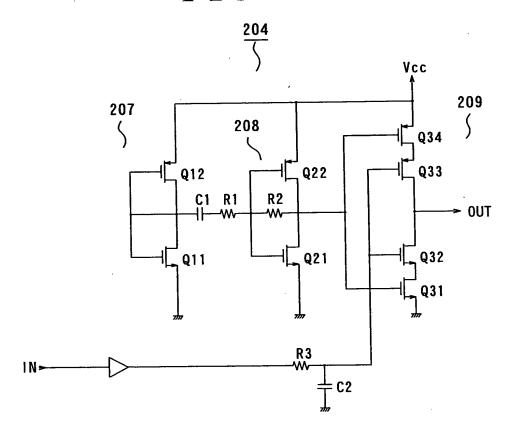


FIG.33

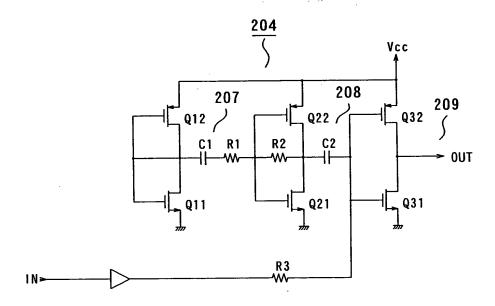


FIG.31

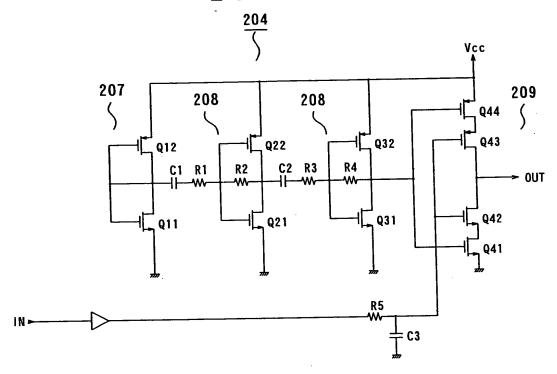


FIG.32

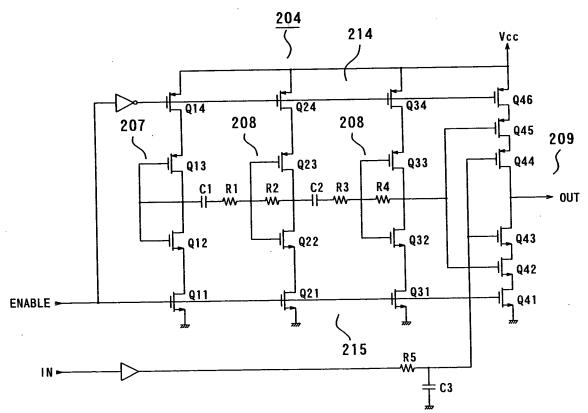


FIG.34

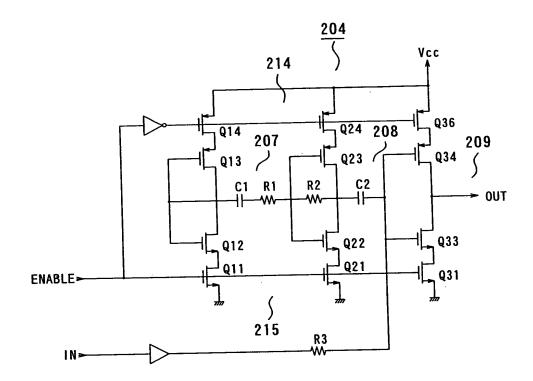
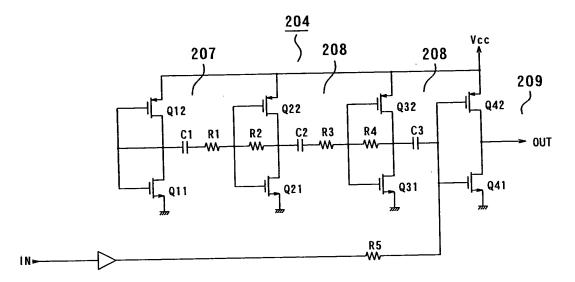
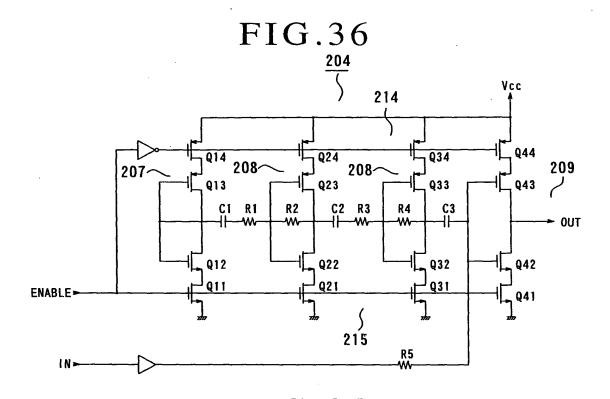
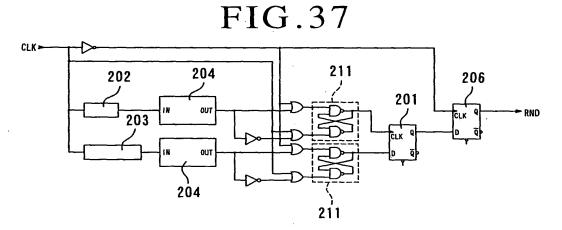


FIG.35







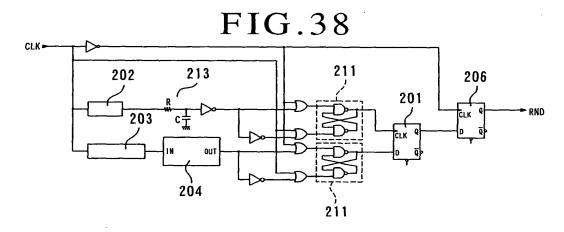


FIG.39

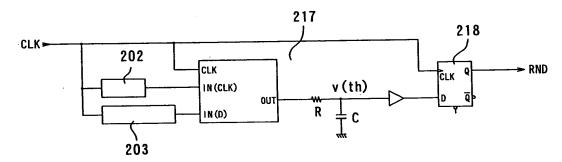


FIG.40

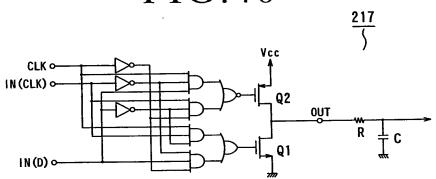
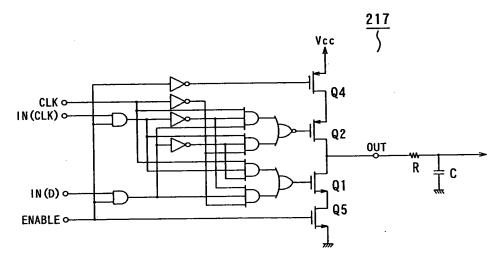


FIG.42



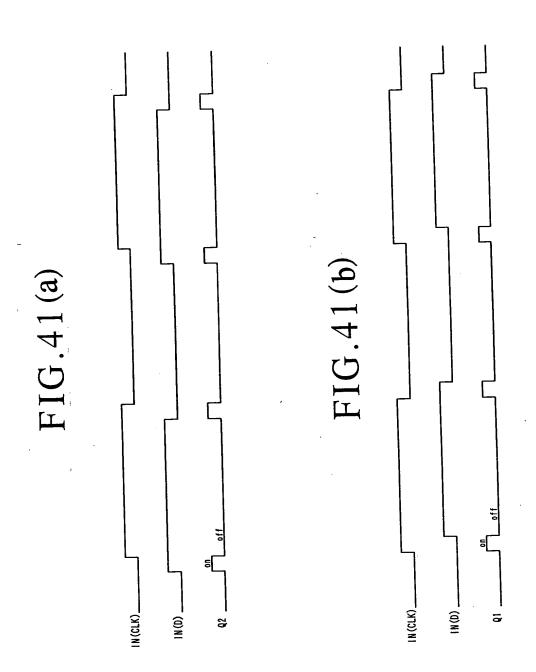


FIG.43

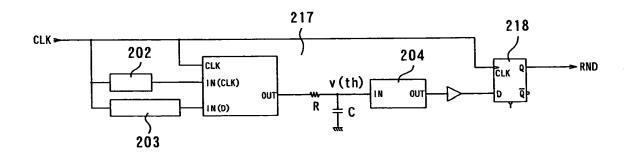


FIG.44

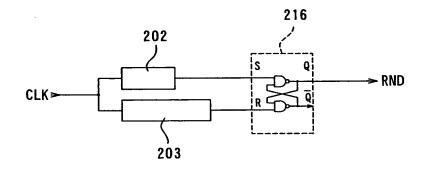
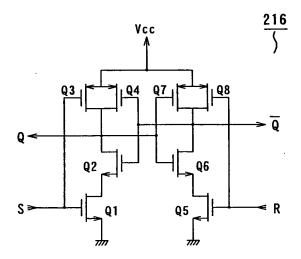


FIG.45



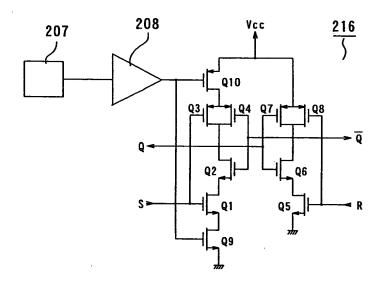


FIG.47

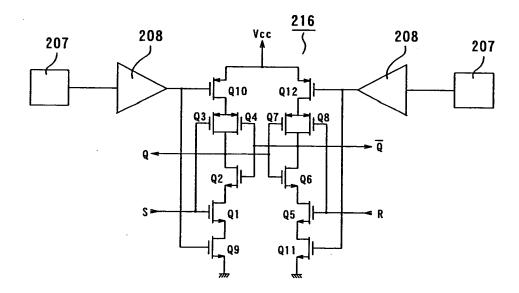


FIG.48

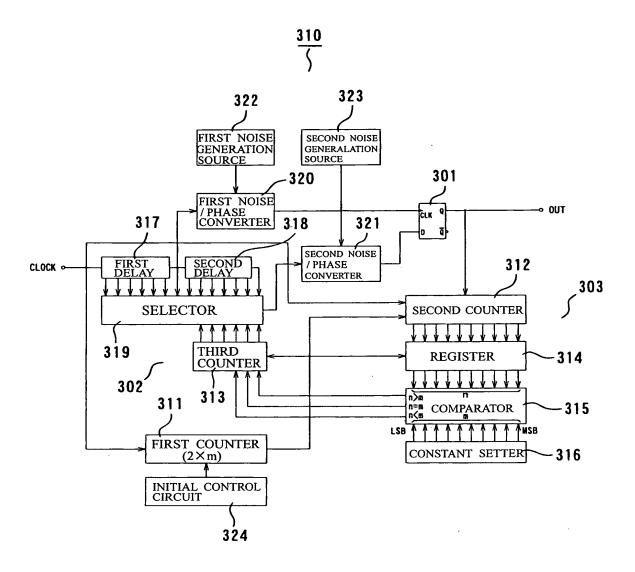
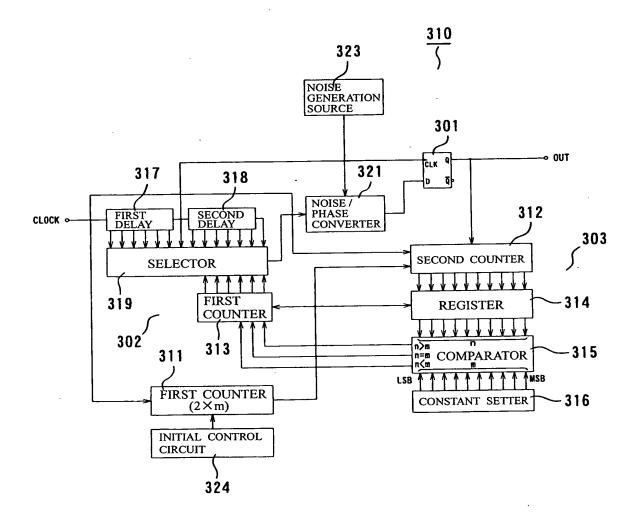


FIG.49



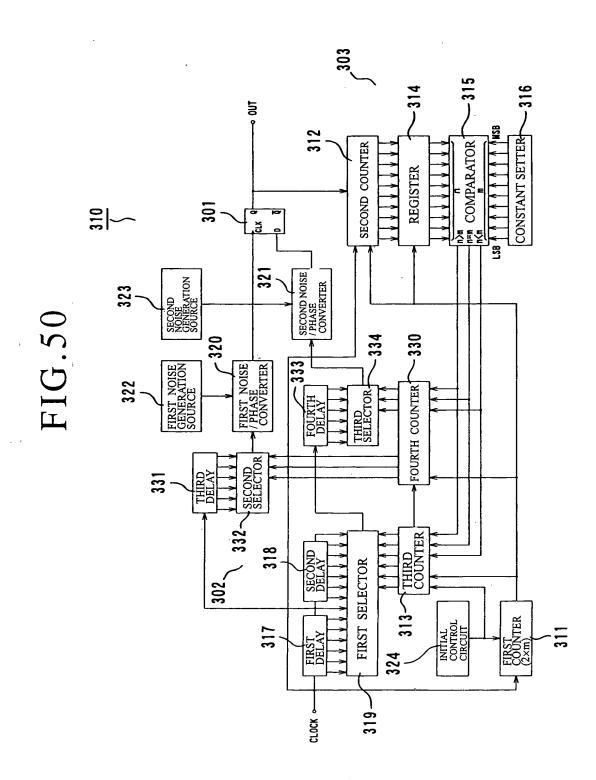


FIG. 51

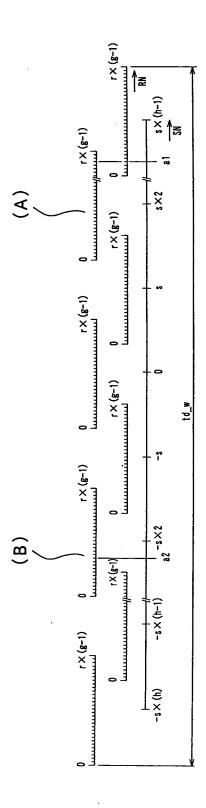


FIG.52

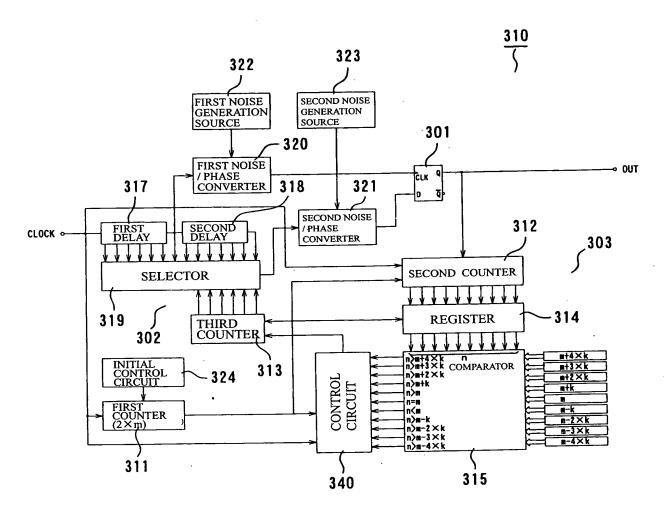


FIG.53

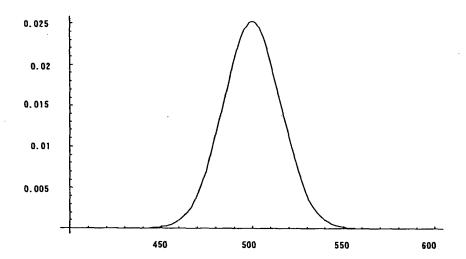


FIG.54

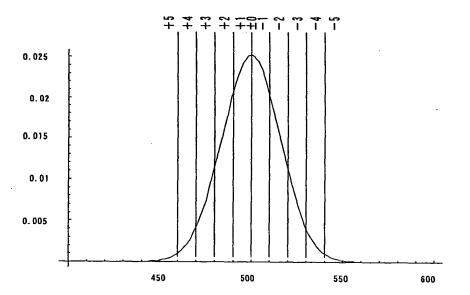


FIG.55

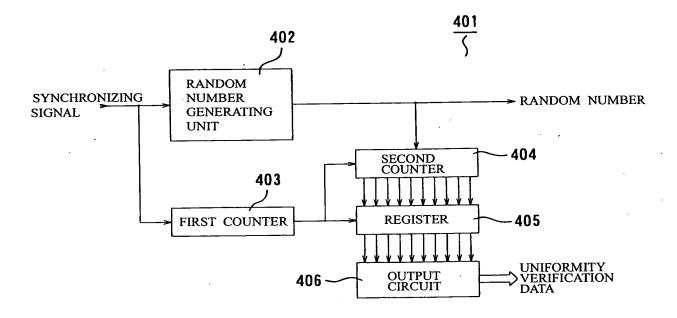


FIG.56

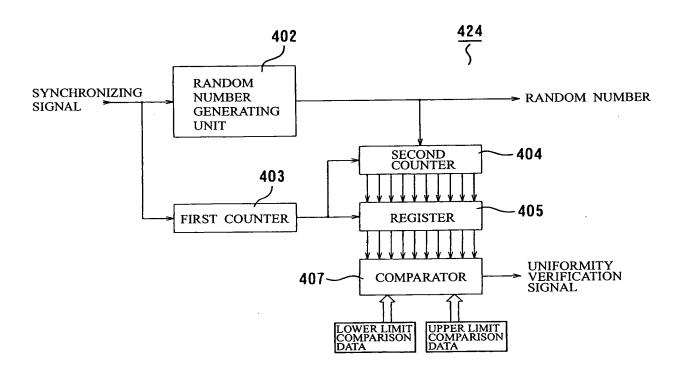
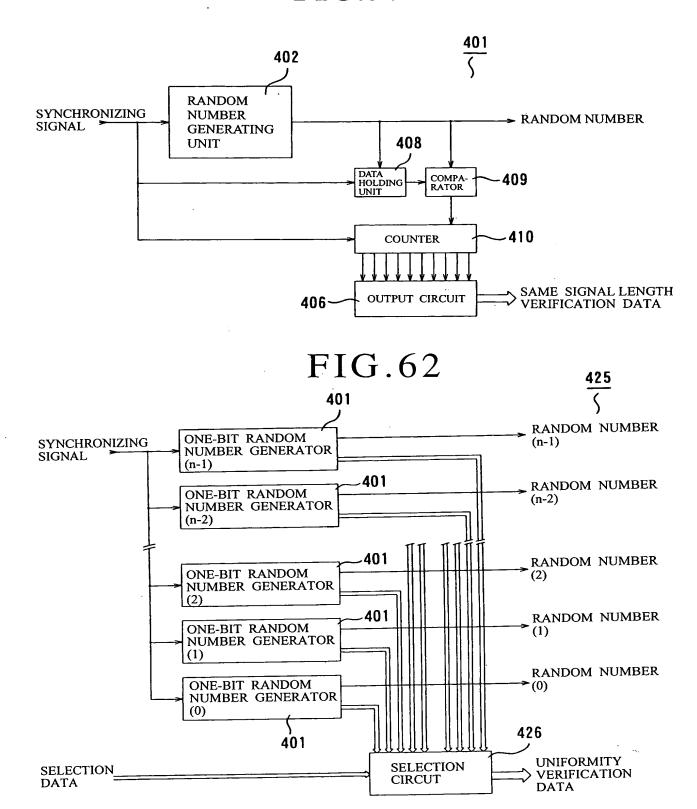
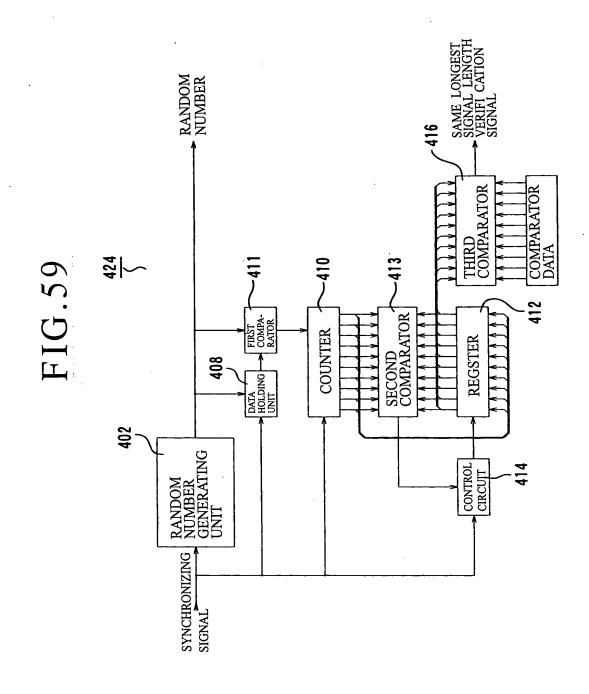
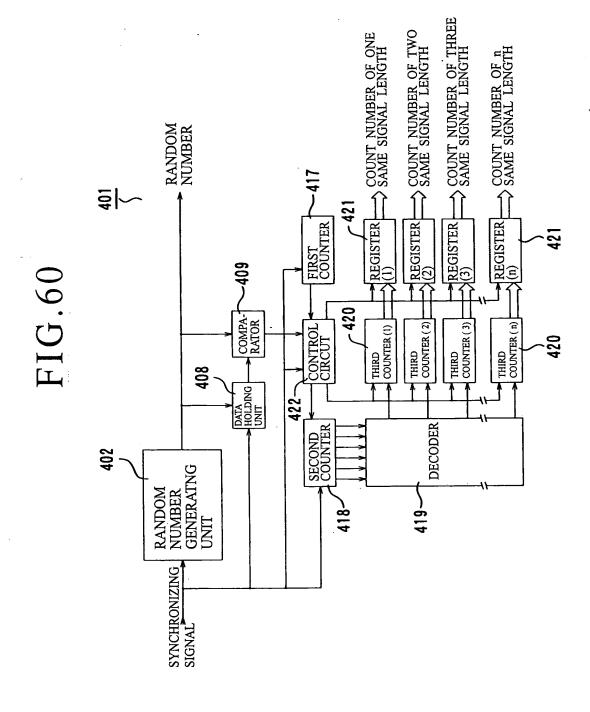


FIG.57



RANDOM NUMBER OUTPUT CIRCUIT **₽**|~ FIG.58 FIRST COMPA-RATOR SRCOND COMPARATOR REGISTER COUNTER 408 DATA HOLDING UNIT RANDOM NUMBER GENERATING UNIT CONTROL CIRCUIT SYNCHRONIZING





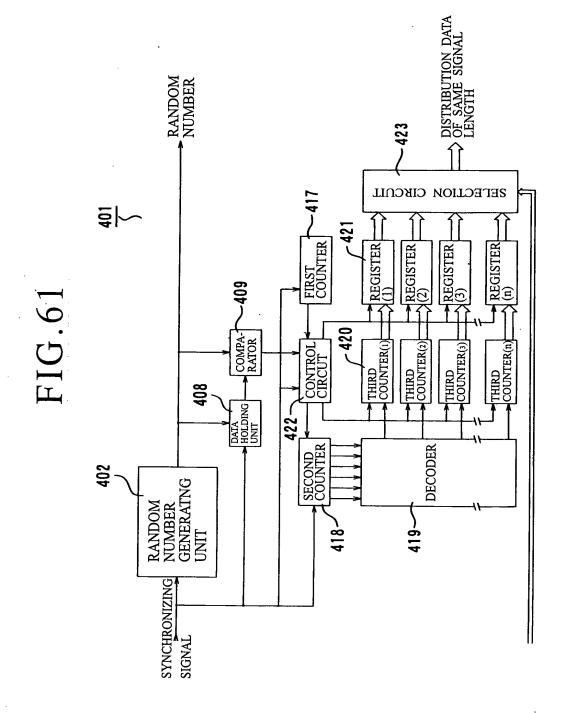
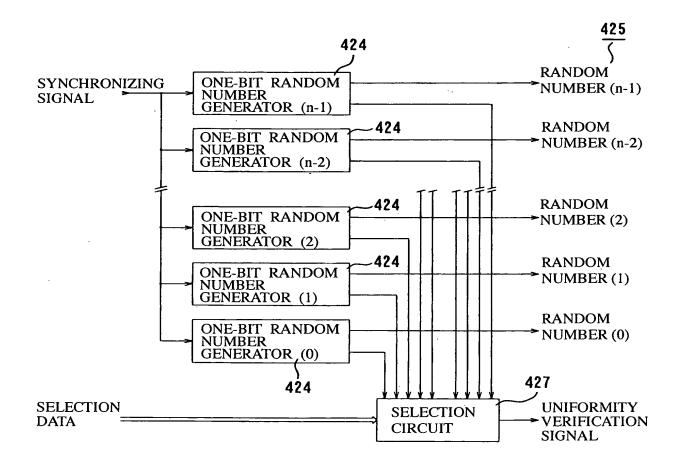


FIG.63



→ PROBAILITY SIGNAL **4**30 **√** PROBAILITY UPPER LIMIT DATA COMPARATOR → SHIFT
→ CLK REGISTER REGISTER FIG.64 RANDOM NUMBER COUNTER ONE-BIT RANDOM NUMBER GENERATOR 432 SYNCHRONIZING SIGNAL

FIG.65

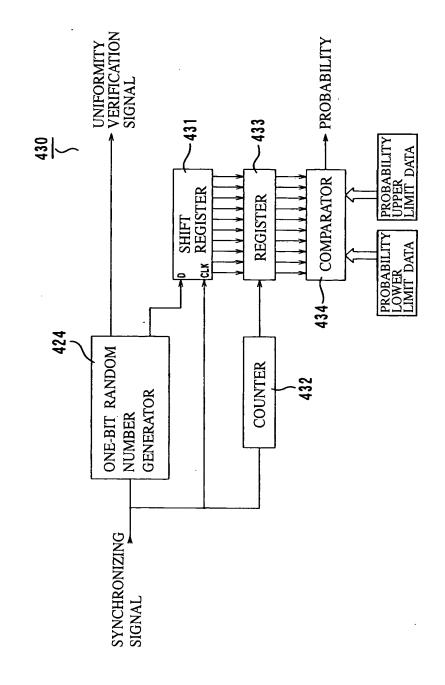
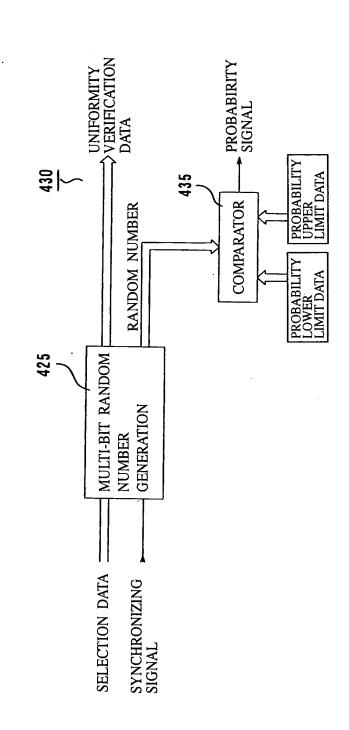


FIG.66



UNIFORMITY VERIFICATION DATA → PROBABIRITY SIGNAL PROBABILITY UPPER LIMIT DATA 왕 COMPARATOR RANDOM NUMBER PROBABILITY LOWER LIMIT DATA FIG.67 MULTI-BIT RANDOM NUMBER
GENERATION 425 SELECTION DATA : SYNCHRONIZING SIGNAL